

# **PITAC Learning Panel**

**Susan Graham**

**May 18, 2000**

# Learning Panel Members

- **Co-chairs**
  - Susan Graham and Andrew Viterbi
- **PITAC Members**
  - Eric Benhamou
  - Ching-chih Chen
  - Steve Dorfman
  - John Miller
  - Joe Thompson
- **Outside Members**
  - Bruce Lincoln, Columbia University
  - David Shaw, D.E. Shaw and Assoc.
  - Mike Smith, Stanford University

# Aspects of Learning Charter

- **Both education and training**
- **Both classes and individual**
- **Both classroom and remote**
- **Both research and policy**
- **Both children and adults**
- **Both able and disabled**

# Panel Meeting: May 17, 2000

- **Bob Foster, Defense Research and Engineering Office**
- **Linda Roberts, Department of Education**
- **Shirley Malcom, AAAS**
- **Emzell Blanton, Office of Personnel Management**

# Upcoming Workshop

- **Mid-July**
- **Working Meeting**
- **Invitation-only**
- **Facilitated by San Diego Science and Technology Council**

# Preliminary Observations

**Need for quantitative information**

- **Striking lack of metrics**

**Need to understand what works**

- **Evaluation and assessment**

**Need to understand scaling**

**Need to understand costs**

**Need for new learning skills**

- **Ability to discern; to evaluate information quality**  
**Ability to know when one understands**
- **Ability to use IT**

**Need for access to IT**

# Preliminary Observations

- **Specific recommendations are called for**
- **Breakthrough opportunity exists**

## **Candidate for an Expedition Center**

- **IT**
- **Education**
- **Cognitive psychology**
- **...**